

# **STRINGS**

## **What is string?**

A **string** is a sequence of characters enclosed in quotes. You can use **single (')**, **double (")**, or **triple quotes ('' or """)**.

## **String Functions:**

### **1.len()**

In python, len() function is used to returns the length of the string.

#### **Python Code:**

```
#String Functions
#len()
text = "Sriveni"
print(len(text))
```

#### **Output:**

```
type "help", "copyright", "credits" or "license()" for more information.
>>> |
===== RESTART: C:/Users/srive/OneDrive/Documents/python/stringfunctions.py =====
7
>>> |
```

### **2.lower()**

In python, lower() function is used to converts all characters to lowercase.

#### **Python Code:**

```
#lower
text = "I AM WRITING LOWER FUNCTION CODE."
print(text.lower())
```

#### **Output:**

```
>>> |
===== RESTART: C:/Users/srive/OneDrive/Documents/python/stringfunctions.py =====
i am writing lower function code.
>>> |
```

### 3.upper()

In python, upper() function is used to convert all characters to uppercase.

#### Python Code:

```
-  
#upper  
text = "hi i am sriveni"  
print(text.upper())
```

#### Output:

```
>>> ===== RESTART: C:/Users/srive/OneDrive/Documents/python/stringfunctions.py =====  
HI I AM SRIVENI  
>>>
```

### 4.capitalize()

In python, capitalize function is used to capitalize the first character.

#### Python Code:

```
#capitalize  
text = "haripriya"  
print(text.capitalize())
```

#### Output:

```
>>> ===== RESTART: C:/Users/srive/OneDrive/Documents/python/stringfunctions.py =====  
Haripriya  
>>>
```

### 5.title()

In python, title function is used to capitalize the first letter of each word.

### Python Code:

```
#title
text = "i am good girl"
print(text.title())
```

### Output:

```
>>> |
===== RESTART: C:/Users/srive/OneDrive/Documents/python/stringfunctions.py
I Am Good Girl
>>> |
```

### 6.replace(old, new)

It is used to replace the part of the string.

### Python Code:

```
#replace(old,new)
text = "I love Java"
print(text.replace("Java", "Python"))
```

### Output:

```
>>> |===== RESTART: C:/Users/srive/OneDrive/Documents/python/stringfunctions.py =====  
| I love Python  
>>> |
```

### 7.count(sub)

It is used to counts how many times a substring appears.

### Python Code:

```
#count(sub)  
text = "srinivas"  
print(text.count("i"))
```

### Output:

```
>>> |===== RESTART: C:/Users/srive/OneDrive/Documents/python/stringfunctions.py =====  
| 2  
>>> |
```

### 8.isalpha()

It is used to checks if all characters are alphabetic.

### Python Code:

```
#isalpha()
text = "fdpfdl"
print(text.isalpha())
```

### Output:

```
>>> |
      |===== RESTART: C:/Users/srive/OneDrive/Documents/python/stringfunctions.py :
      |True
      |
>>> |
```

### 9.isdigit()

It is used to check if all characters are digits.

### Python Code:

```
#isdigit()
text = "13454"
print(text.isdigit())
```

### Output:

```
>>> |
      |===== RESTART: C:/Users/srive/OneDrive/Documents/python/stringfunctions.py =====
      |True
      |
>>> |
```

### 10.strip()

It is used to remove leading and trailing spaces.

### Python Code:

```
#strip
text = "  hello  "
print(text.strip())
```

### Output:

```
>>> |
      |===== RESTART: C:/Users/srive/OneDrive/Documents/python/stringfunctions.py
      |hello
      |
>>> |
```

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